

FIG. 1

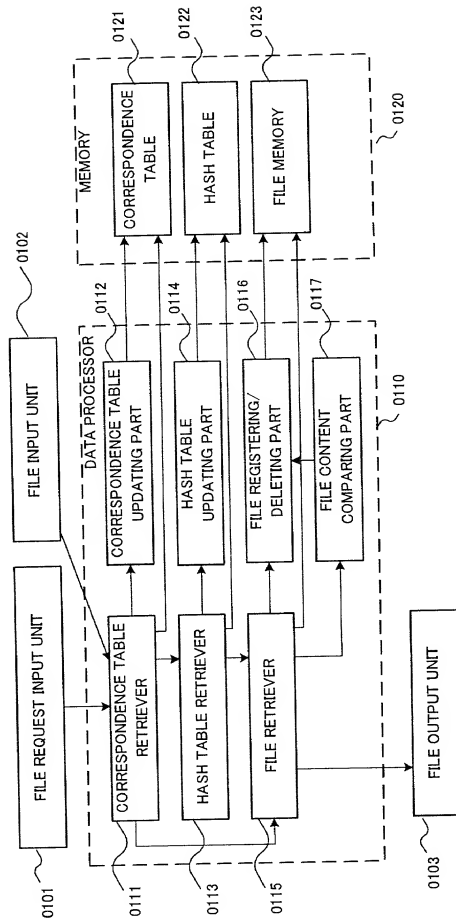


FIG.2

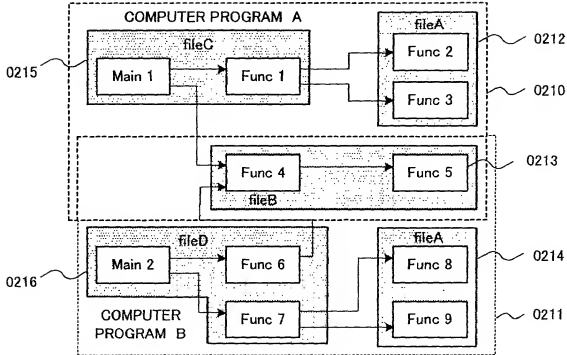


FIG.3

FILE NAME	FILE ID	MANAGING ID
file A	usr 001. prog 01	A-1
	usr 001. prog 02	A-2
	usr 002. prog 01	A-1
file B	usr 002. prog 01	B-1
	usr 003. prog 01	B-2
⋮	⋮	⋮

FIG.4

FILE NAME	FILE	MANAGING ID
file A	FuncA () ~ 0401	A-1
	FuncB () ~ 0402	A-2
	FuncC () ~ 0403	A-3

(a)

KEY VALUE	MANAGING ID
HASH TABLE FOR FILE 0401(=aaaa)	A-1
HASH TABLE FOR FILE 0402(=bbbb)	A-2
HASH TABLE FOR FILE 0403(=bbbb)	A-3

(b)

FIG.8

MANAGING ID	FILE
A-1	FuncA () ~ 0401
A-2	FuncB () ~ 0402
A-3	FuncC () ~ 0403

FIG.5

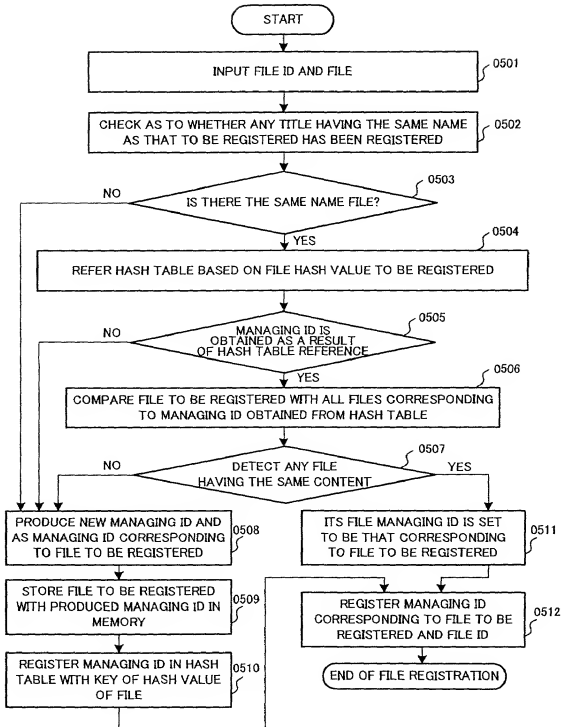


FIG.6

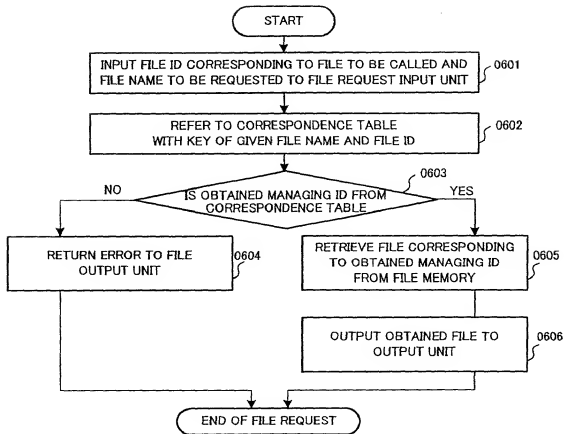


FIG.7

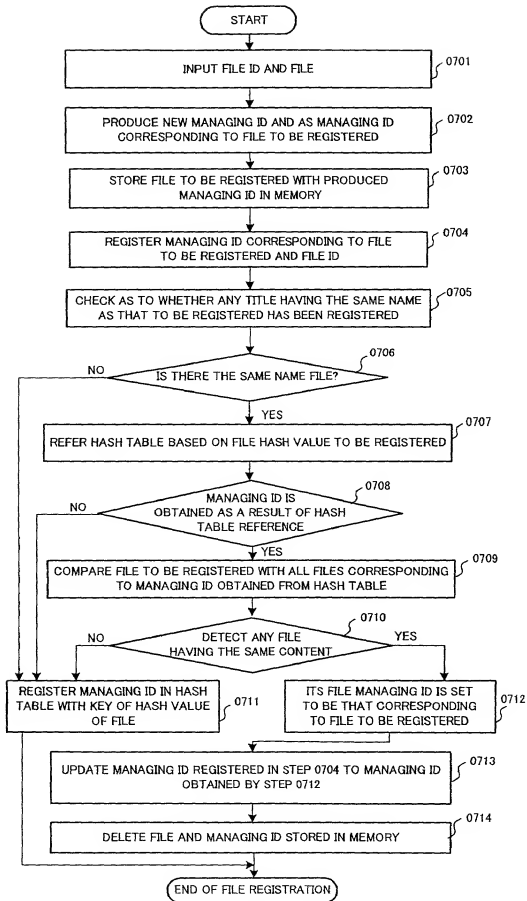


FIG.9

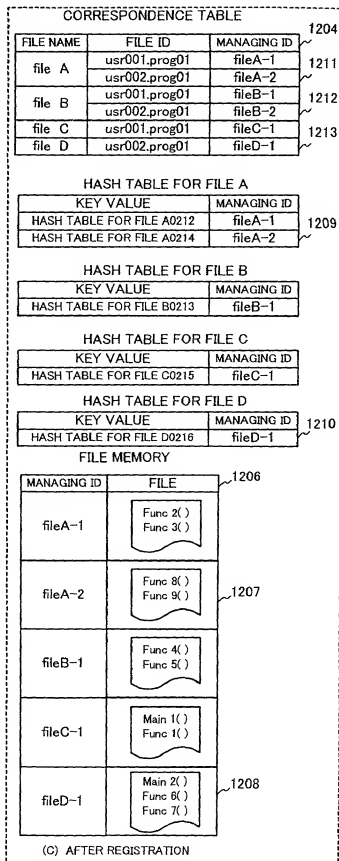
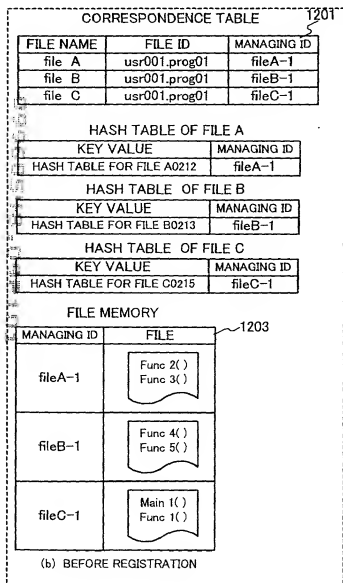
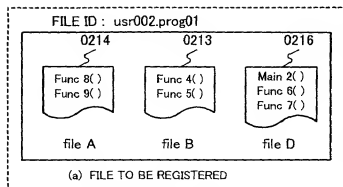


FIG.10

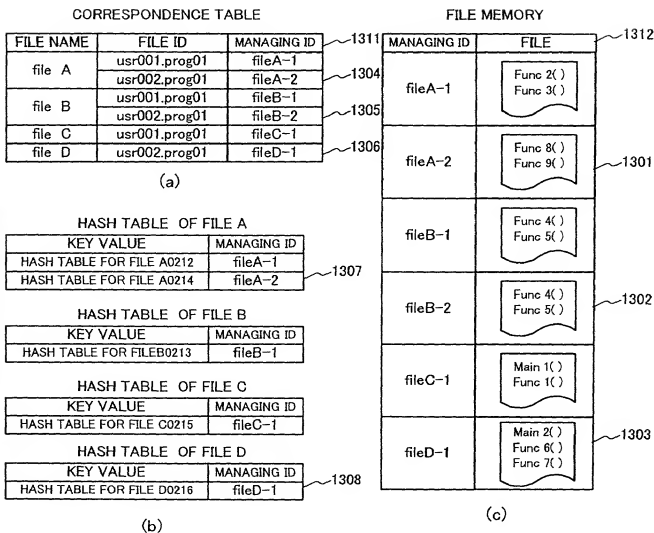


FIG.11

File	ID	
HASH TABLE FOR FILE 0401	A-1	← FOR FILE NAME "file A"
HASH TABLE FOR FILE 0402	A-2	← FOR FILE NAME "file A"
HASH TABLE FOR FILE 0403	A-3	← FOR FILE NAME "file A"
HASH TABLE FOR FILE 0404	B-1	← FOR FILE NAME "file B"
HASH TABLE FOR FILE 0405	B-2	← FOR FILE NAME "file B"
⋮	⋮	

FIG.12

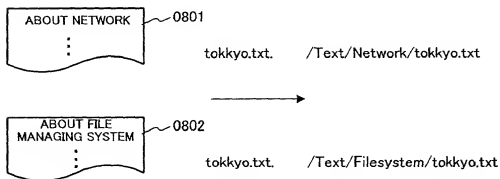


FIG.13

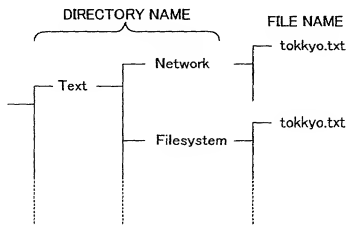


FIG.14

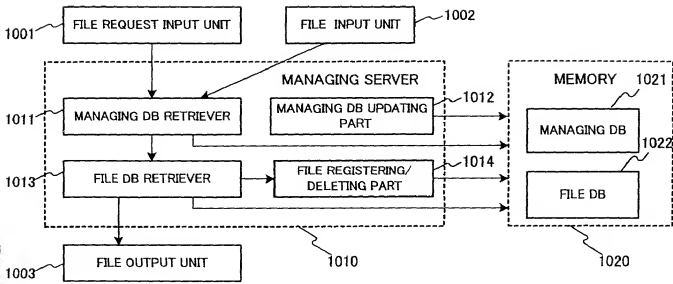


FIG.15

TYPE	FILE NAME	VERSION	MANAGING ID
1	A	1.0	001
2	A	1.0	002
1	A	2.0	003
1	B	1.0	004
		⋮	